

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : NOF CORP  
NAKABAYASHI NORIO  
ISHIHARA KAZUHIKO

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(72)Inventor : NAKAZATO KATSUMI  
INOMATA KIYOSHI  
NAKABAYASHI NORIO  
ISHIHARA KAZUHIKO

## (54) SOFT CONTACT LENS MATERIAL

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain excellent mechanical strength and durability by polymerizing monomers having specified phosphorylcholine analog groups, monomers copolymerizable with the first monomers, and crosslinking monomers having  $\geq 4$  functional groups.

**SOLUTION:** This material is produced by polymerizing monomers having phosphorylcholine analog groups expressed by the formula, monomers copolymerizable with the first monomers, and crosslinking monomers having  $\geq 4$  functional groups. In the formula, R1 is a hydrogen atom or methyl group, R2 is  $(\text{CH}_2\text{CHR}_6)_n$ ,  $(\text{CH}_2\text{CHR}_6\text{O})_n\text{CH}_2\text{CHR}_6$  (wherein R6 is a hydrogen atom or methyl group and n is an integer 1 to 8) or 3-10C hydrocarbon group, m is an integer 2 to 4, and R3 to R5 are 1-8C alkyl groups. As for the monomers expressed by the formula, for example, 2-(meth)acryloyloxyethyl-1-2-(trimethylammonio)ethylphosphate can be used.

